

Logic I
Fall 2009
Problem Set 10

Complete the following problems from TLB:

- 10.2E 6c, 7d, 7j, 8c
- Produce a derivation that establishes that the following set of sentences is inconsistent in PDE:

$$\{ (\forall x)(\exists y)(\neg y = a \ \& \ (\forall w)(Rwy \equiv x = w)), \\ \neg(\exists x)(\exists y)(\exists z)(\neg x = y \ \& \ (\neg x = z \ \& \ \neg y = z)) \}$$

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